

CLAIMS

- 5 1. An aerosol dentifrice formulation comprising water, a particulate abrasive and a propellant, characterised in that the propellant comprises 2-8 wt% of a non-hydrocarbon and 2-6 wt% of a hydrocarbon propellant.
- 10 2. An aerosol dentifrice according to claim 1 wherein the non-hydrocarbon propellant comprises dimethylether (DME), a chlorofluorocarbon (CFC), a hydrofluorocarbon (HFC) or a hydrochlorofluorocarbon (HCFC), nitrogen, carbon dioxide, nitrous oxide or compressed air.
- 15 3. An aerosol dentifrice according to claim 2 wherein the non-hydrocarbon propellant comprises dimethylether (DME).
- 20 4. An aerosol dentifrice according to claim 1 wherein the hydrocarbon propellant comprises one or more C₃ to C₅ hydrocarbon (HC) such as propane, n-butane or butane 22.
5. An aerosol dentifrice according to any one of the above claims wherein the propellant comprises 95:5 or 97:3 w/w ratio of a non-hydrocarbon and liquified hydrocarbon propellant.
- 25 6. An aerosol dentifrice formulation being a fluid mixture, comprising water, a liquified gas propellant and a particulate abrasive, characterised in that the particulate abrasive comprises 1-10% by weight of the mixture and has a particle size in the range 5-40 microns and comprises a combination of a more hard and a less hard abrasive.
- 30 7. An aerosol dentifrice according to claim 6, wherein the more hard and less hard abrasive is in a proportion of 1:1-5.
- 35 8. An aerosol dentifrice according to any one of the above claims, wherein the particulate abrasive is a silica.

9. An aerosol dentifrice according to claim 8, wherein the particle size of the abrasive is less than 30 microns.

5 10. An aerosol dentifrice according to claim 9, wherein the particle size of the abrasive is less than 10 microns.

10 11. An aerosol dentifrice comprising water, a particulate abrasive and a liquefied gas propellant, characterised in that the propellant comprises 2-8 wt% of a non-hydrocarbon and 2-6 wt% of a hydrocarbon propellant, the particulate abrasive comprises 1-10% by weight of the mixture, has a particle size in the range 5-40 microns and comprises a combination of a more hard and a less hard abrasive.

15 12. An aerosol dentifrice according to any one of the above claims wherein the water comprises 25-50 wt% of the formulation.

13. An aerosol dentifrice according to claim 12, additionally comprising a humectant.

20 14. An aerosol dentifrice according to claim 13, additionally comprising a suspending agent.

15. An aerosol dentifrice according to claim 14, additionally comprising a surfactant.

25 16. An aerosol dentifrice according to any one of the above claims additionally comprising xanthan gum and Zeodent 163.

17. An aerosol dentifrice according to any one of the above claims comprising 45-55 wt% humectant, 0.1-4 wt% suspending agent, 1-5 wt% surfactant, 3-7 wt% abrasive, the remainder being water and 3-5 wt% propellant.

30 18. An aerosol dentifrice according to any one of the above claims comprising a valved container containing a formulation as described above.

35